

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

Complete if Known

Application Number	09/745,207 — 10/677170
Filing Date	January 4, 2001
First Named Inventor	Rebecca E. Cahoon et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1159A PCT

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date Considered

9 | 3 | 0 5

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231**

Please type a plus sign (+) inside this box → +

PTO/SB/08B(08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	09/743,297- 10/677179
Filing Date	January 4, 2001
First Named Inventor	Rebecca E. Cahoon et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1159A PCT

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PTB		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 2492953, 10-01-00, GORLACH, J. ET AL., Differential expression of tomato (Lycopersicon esculentum L.) genes encoding shikimate pathway isoenzymes. II. Chorismate synthase	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 2492952, 10-01-00, GORLACH, J. ET AL., Differential expression of tomato (Lycopersicon esculentum L.) genes encoding shikimate pathway isoenzymes. II. Chorismate synthase	
		F. GIBSON, Methods Enzymol., vol. 17:362-364, 1970, Preparation of Chorismic Acid	
		P.J. WHITE ET AL., Biochem. Soc. Trans., vol. 15:144-145, 1987, A simple anaerobic assay for chorismate synthase	
		ANDREAS SCHALLER ET AL., Arch. biochem. Biophys., vol. 282:437-442, 1990, Purification of Chorismate Synthase from a Cell Culture of the Higher Plant Corydalis sempervirens Pers.	
		MARTIN R. BOOCOCK ET AL., FEBS Lett., vol. 154(1):127-133, 1983, Kinetics of 5-enolpyruvylshikimate-3-phosphate synthase inhibition by glyphosate	
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: L33595, 07-11-1994, LIM, C.O. ET AL., XP-002123443	
		DATABASE DBEST NO: AA586083, 09-11-1997, NEWMAN, T. ET AL., Genes galore: a summary of methods for accessing results from large-scale partial sequencing of anonymous Arabidopsis cDNA clones	
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: AA586083, 09-13-1997, NEWMAN, T. ET AL., Genes galore: a summary of methods for accessing results from large-scale partial sequencing of anonymous Arabidopsis cDNA clones	
		GARY MILLAR ET AL., FEBS Lett., vol. 200(1):11-17, 1986, The complete amino acid sequence of 3-dehydroquinate synthase of Escherichia coli K12	
✓		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 114181, 05-30-2000, MILLAR, G. ET AL., The complete amino acid sequence of 3-dehydroquinate synthase of Escherichia coli K12	

Examiner Signature	Phuong TBm	Date Considered	9/3/05
--------------------	------------	-----------------	--------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08B(08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2

of 4

Complete if Known

Application Number	09/749,297 10/677179
Filing Date	January 4, 2001
First Named Inventor	Rebecca E. Cahoon et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1159A PCT

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PTB		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: P34002, 02-01-1994, MARTIN, P.R. ET AL., Characterization of pilQ, a new gene required for the biogenesis of type 4 fimbriae in Pseudomonas aeruginosa	
		NICHOLAS NIKOLAIDES ET AL., Tetrahedron Lett., vol. 30(12):1461-1464, 1989, Design and Synthesis of Substrate Analogs for the Inhibition of Dehydroquinase Synthase	
		JOHN W. FROST ET AL., Biochemistry, vol. 23:4470-4475, 1984, Dehydroquinase Synthase from Escherichia coli: Purification, Cloning, and Construction of Overproducers of the Enzyme	
		D. L. POMPLIANO ET AL., J. Am. Chem. Soc., vol. 111:1866-1871, 1989, Probing Lethal Metabolic Perturbations in Plants with Chemical Inhibition of Dehydroquinase Synthase	
		GENBANK DATABASE DBEST NO: AI065473, 07-24-1998, SCHUTZ, K. ET AL., Expressed sequence tags from z. mays	
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: AI065473, 07-27-1998, SCHUTZ, K. ET AL., Expressed sequence tags from z. mays	
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: AI637200, 04-27-1999, WALBOT, V., Maize ESTs from various cDNA libraries sequenced at Stanford University	
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: AU056551, 03-31-1999, SASAKI, T., Rice cDNA from mature leaf	
		MARKUS BISCHOFF ET AL., Plant Mol. Biol., vol. 31:69-76, 1996, Cloning of a cDNA encoding a 3-dehydroquinase synthase from a higher plant, and analysis of the organ-specific and elicitor-induced expression of the corresponding gene	
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: AI731017, 06-12-1999, BLEWITT, M. ET AL., ESTs from developing cotton fiber	
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: AI728073, 06-12-1999, BLEWITT, M. ET AL., ESTs from developing corn fiber	

Examiner
Signature

Phuong Bui

Date
Considered

9/3/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →



PTO/SB/088(08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/743,267 10/677179
		Filing Date	January 4, 2001
		First Named Inventor	Rebecca E. Cahoon et al.
		Group Art Unit	Unknown
		Examiner Name	Unknown
Sheet 3 of 4	Attorney Docket Number	BB1159A PCT	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PB		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: A1489566, 03-17-1999, ALCALA, J. ET AL., Generation of ESTs from tomato carpel tissue	
		STEPHEN BORNEMANN ET AL., Journ. of biol. Chem., vol. 270(39):22811-22815, 1995, Escherichia coli Chorismate Synthase Catalyzes the Conversion of (6S)-6-Fluoro-5-enolpyruvylshikimate-3-phosphate to 6-Fluorochorismate	
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: C72774, 09-19-1997, SASAKI, T., Rice cDNA from Panicle at flowering stage	
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: AA750226, 01-21-1998, NAHM, B.H. ET AL., Large-scale Sequencing Analysis of ESTs from Rice Immature Seed	
		ANDREAS SCHALLER ET AL., Journ. of biol. Chem., vol. 256(32):21434-21436, 1991, Molecular Cloning and Analysis of a cDNA Coding for Chorismate Synthase from the Higher Plant Corydalis sempervirens Pers	
		JORN GORLACH ET AL., Plant Mol. Biol., vol. 23:707-716, 1993, Differential expression of tomato (Lycopersicon esculentum L.) genes encoding shikimate pathway isoenzymes. II. Chorismate Synthase	
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: Y14797, 09-12-1997, WIND, J.C. ET AL., Three differentially expressed 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase genes in Morinda citrifolia	
		WILLIAM E. DYER ET AL., Journ. of Biol. Chem., vol. 265:1608-1614, 1990, A cDNA Encoding 3-Deoxy-D-arabino-heptulosonate 7-Phosphate Synthase from Solanum tuberosum L.	
		JORN GORLACH ET AL., Plant Mol. Biol., vol. 23:697-706, 1993, Differential expression of tomato (Lycopersicon esculentum L.) genes encoding shikimate pathway isoenzymes. I. 3-Deoxy-D-arabino-heptulosonate 7-phosphate synthase	
		JAMES D. JONES ET AL., Plant Phys., vol. 108(4):1413-1421, 1995, Impaired Wound Induction of 3-Deoxy-D-arabino-heptulosonate-7-phosphate (DAHP) Synthase and Altered Stem Development in Transgenic Potato Plants Expressing a DAHP Synthase Antisense Construct	
✓		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: A1677182, 05-25-1999, WALBOT, V., Maize ESTs from various cDNA libraries sequenced at Stanford University	

Examiner Signature	Phuong Bui	Date Considered	9/3/05
--------------------	------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08B(08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
Application Number		09/743,267	10/677179
Filing Date		January 4, 2001	
First Named Inventor		Rebecca E. Cahoon et al.	
Group Art Unit		Unknown	
Examiner Name		Unknown	
Attorney Docket Number		BB1159A PCT	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PTB		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: A1615213, 04-26-1999, WALBOT, V. Maize ESTs from various cDNA libraries sequenced at Stanford University	
↓		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: A1443687, 03-16-1999, SHOEMAKER, R. ET AL., Public Soybean EST Project	
↓		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: AU068686, 06-07-1999, SASAKI, T. Rice cDNA from callus	
↓		KLAUS M. HERRMANN, Plant Phys., vol. 107:7-12, 1995, The Shikimate Pathway as an Entry to Aromatic Secondary Metabolism	

Examiner Signature		Date Considered	9/3/05
--------------------	--	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.